

JODŁOWSKI, Jacek, mgr inż.

Methods of testing the dielectric strength parallel to thermosetting laminations. Przegl elektrotechn 41 no.1:14-16 Ja '65.

L 47087-66 EWP(j)/T IJP(c) JAJ/RM  
ACC NR: AP6017897 (4) SOURCE CODE: CZ/0078/65/000/012/0016/0016

AUTHOR: Rosenkranz, Hans-Georg (Doctor; Leuna); Jodl, Peter (Engineer; Leuna)  
Ehrig, Willi (Leuna)

ORG: none

TITLE: A method of manufacture synthetic resin flake. CZ Pat. No. PV 1607-65,  
Class 39

SOURCE: Vynalezy, no. 12, 1965, 16

TOPIC TAGS: resin, synthetic resin, resin flake

ABSTRACT: A method has been introduced for manufacturing flaked synthetic resins from resin melts containing suitable solvents. The adjustment of the growth of the molecules is achieved by lowering the ratio of the solvent to unreacted components, and by a secondary reaction at reduced pressure at temperatures ranging from 70 to 200C, with best results in the 120-150C range. The resin melt obtained by this process, still hot, is then continuously fed into a roller mill, with two rollers revolving in opposite direction, whereby the resin film formed on the roller as a result of cooling is being scraped off by cutting knives mounted on the stand. By appropriate

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ACC NR: AP6017897

adjustment of the roller temperature and by regulating their speed, the resin film solidifies before reaching the blades to such a degree that when being cut off the roller, the film breaks into flakes of the desired shape. One point of the patent is itemized. 0

[KP]

SUB CODE: 11/ SUBM DATE: 16Mar64/

Card 2/2 mt

JODLOWSKI, Jan

So-called stony heart (pericarditis chronica calcificans) with  
report of an operated case. Kardiol. polska 1 no.1-2:88-97 1954.

1. Z III Kliniki Chorob Wewnętrznych we Wrocławiu. Kierownik:  
prof. dr med. Edward Szczeklik.

(PERICARDITIS,  
calciosa, surg.)

JODLOWSKI, J.

KEDRA, Mieczyslaw; JODLOWSKI, J.

Symptom complex of appendicitis and cholecystitis. Przegl. lek.,  
Krakow 11 no.3:89-94 Mar 55.

l. Z III. klin. chor. wewn. A.M. we Wrocławiu; kier. prof. dr.  
E.Szczerklik.

(APPENDICITIS, complications  
cholecystitis, sympt. complex, diag. & ther.)  
(CHOLECYSTITIS, complications  
appendicitis, sympt. complex, diag. & ther.)

JODLOWSKI, Jan

A page from memoirs of a regional specialist - In Memoriam Prof. Dr.  
Mieczyslaw Kubicz. Polski tygod. lek. 14 no.48:2125 30 Nov 59.  
(OBITUARIES)

L 12364-63

EWT(1)/EWP(q)/EWT(m)/BDS AFFTC/ASD AF JD/1  
S/081/63/010/001/010/075 (40)AUTHOR: Brusokman, A., Jodlowski, W., Orman, Z., Pradzinski and Sarna, J.TITLE: A modified method of determining emission under a current in the  
electrolysis of aluminum with the aid of radionuclides. 19PERIODICAL: Referativnyy zhurnal, Khimiya, no. 5, 1963, 82, abstract 58589  
(Pierwsze krajowe sympoz. zastosowan izotopow techn. Rogow, 8 - 12  
czer, 1960, no. 47)TEXT: In the radiometric determination of current efficiency of the electrolytic production of aluminum a sample of Al-Au alloy — which had been previously activated in a nuclear reactor — was introduced into the melt. The radioactivity of Au<sup>198</sup> was determined by means of a gamma-spectrometer. A satisfactory effectiveness in the method was attained when the concentration of Au was 0.8 mg per 1 ton of Al. Abstracted by B. Kaplan.

Abstractor's note: Complete translation. 7

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89660

P/011/60/031/007/001/001  
B115/B207

3,1710(1641,1126,1127)

AUTHOR: Jodłowski, W.

TITLE: Radio observations of the Sun in Ondrzejow

PERIODICAL: Urania, v. 31, no. 7, 1960, 206-207

TEXT: This is the reproduction of a report published in *Říše Hvězd*, No. 1, 1960, p. 7. Ondrzejow [Abstracter's note: probably Jiudřichův] has an Institute of Astronomy of the Czechoslovakian Academy of Sciences, which deals, among other things, with radio observations of the Sun. A radio locator reflector 7.5 m in mirror diameter and having a surface of approximately  $54 \text{ m}^2$  was the first radio telescope to be azimuthally mounted. The construction of the electronic equipment was started in 1953. Already on June 30, 1954 a partial solar eclipse was observed on the 56-cm wave (536 Mc/sec). Test work was commenced late in 1954 and continued during 1955. Sensitivity, stability, and a number of parameters were studied which are of importance when measuring the absolute value of radio radiation of the Sun. Permanent observations on the 56-cm wave were commenced in 1955. In the spring of 1954 the construction of an antenna of the second radio tele-

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Radio observations of ...

scope 7.5 m in diameter and with azimuthal mounting was started. The study of the electronics was taken up in 1956, and the first measurements on the 130 cm wave (231 Mc/sec) late in 1960. This wave facilitates the observation of phenomena in the corona of the Sun. In 1956 the installations on 56 and 130 cm were jointly housed in one chamber and the dipoles were adjusted vertically to each other in the mirror focus to avoid interaction. Thus, one reflector became superfluous, i.e., the most expensive part of the radio telescope. This reflector was used for observations of the Sun on the 37 cm wave (808 Mc/sec). The first observations on this wave were made in 1959. The former telescope (56 and 130 cm) follows the Sun automatically and electrically regulates the telescope on the 37-cm wave. The observations made in Ondrzejow played an important role during the International Geophysical Year. Radio observations comprise also the study of atmospheric noises. Chromospheric light flashes are accompanied by an emission of X-rays in the range of 2-8 Å, which, by entering the atmosphere, disturbs the normal conductivity of the ionosphere at an altitude of approximately 60 km. The increased ion concentration causes indirectly a fading. A reverse phenomenon may be observed in the range of the atmospheric noises to which long waves correspond. Thunderstorm discharges are the source of these

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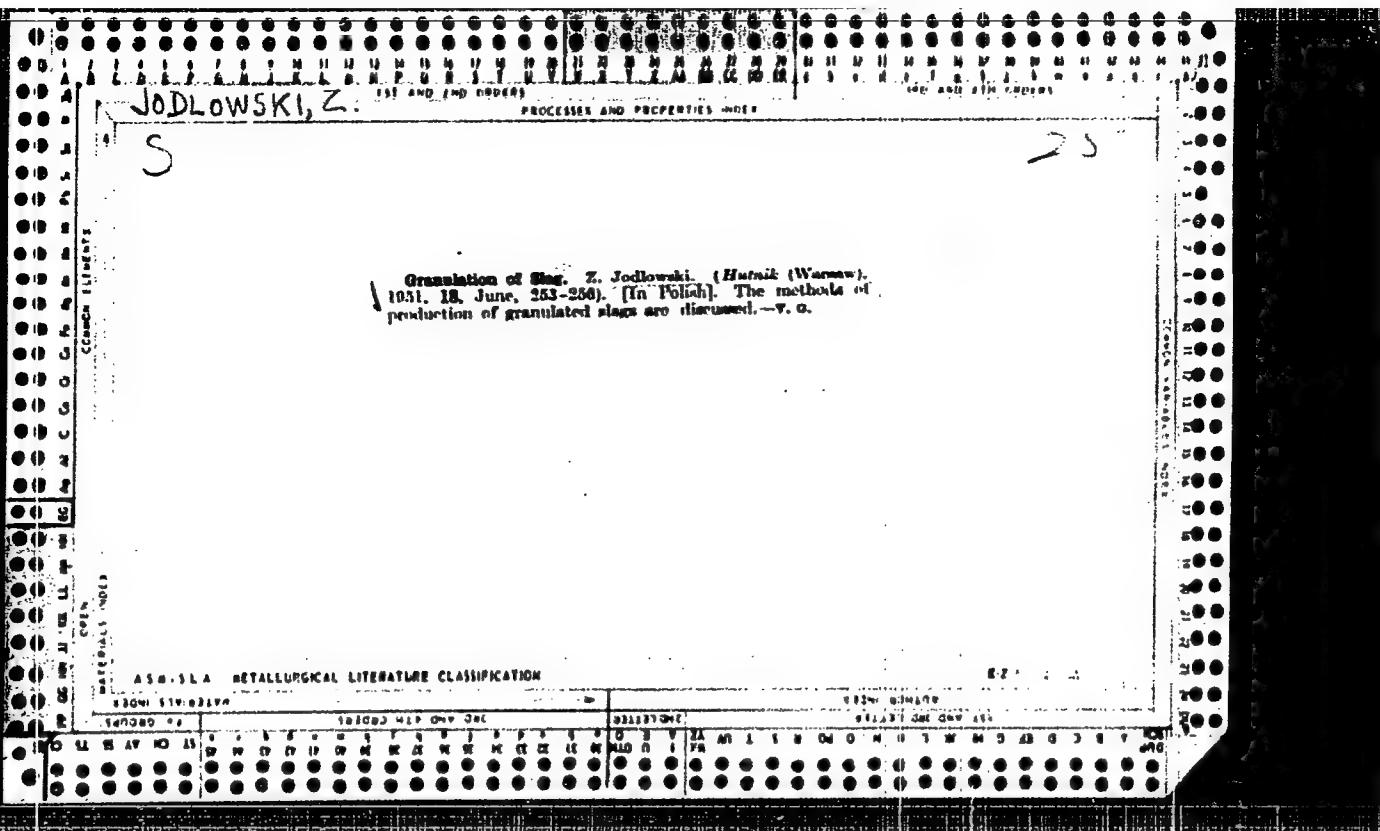
89660

Radio observations of ...

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B115/B207

noises. An apparatus which records such phenomena has been operating since 1957 on the 11-km wave (27 Mc/sec). A new, more sensitive apparatus has been put into operation in 1960. The research center aims at using the centimeter band down to the shortest waves on which radio observations are still possible, which will facilitate a more comprehensive study of the chromosphere. Recently an apparatus on the 3-cm wave (10,000 Mc/sec) was finished; its antenna is 1.7 m in diameter and is equatorially mounted. The construction of monochromatic radio telescopes proved to be difficult and uneconomical. The construction of a radio spectrograph is more convenient. The Ondrzejow research center started working with a radio spectrograph on a decimeter band of about 200 Mc/sec frequency which promises new and valuable results. [Abstracter's note: This is a nearly full translation from the original.] There is 1 Soviet-bloc reference. X

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KURZYNSKI, Mieczyslaw, inz.; JABLONSKI, Jozef, inz.; JODLOWSKI, Zdzislaw, inz.  
GRZYBOWSKI, Mieczyslaw, inz.; MAZURKIEWICZ, Mieczyslaw, inz.

Automatic purification of the blast-furnace gases with  
Venturi nozzle series set. Gosp paliw 11 Special issue  
no.(95):39-41 Ja '63.

1. Huta im. Bieruta.

STEMLBERA, Z.K., C.Sc.; JODR, J., C.Sc.

Contribution to the study of the "Oxygen debt" of a woman in labor  
Cesk.gyn. 25[39] no.7:501-507 S '60.

1. Ustav pro peci o matku a dite, Praha-Podoli, reditel doc. dr.  
M.Vojta.

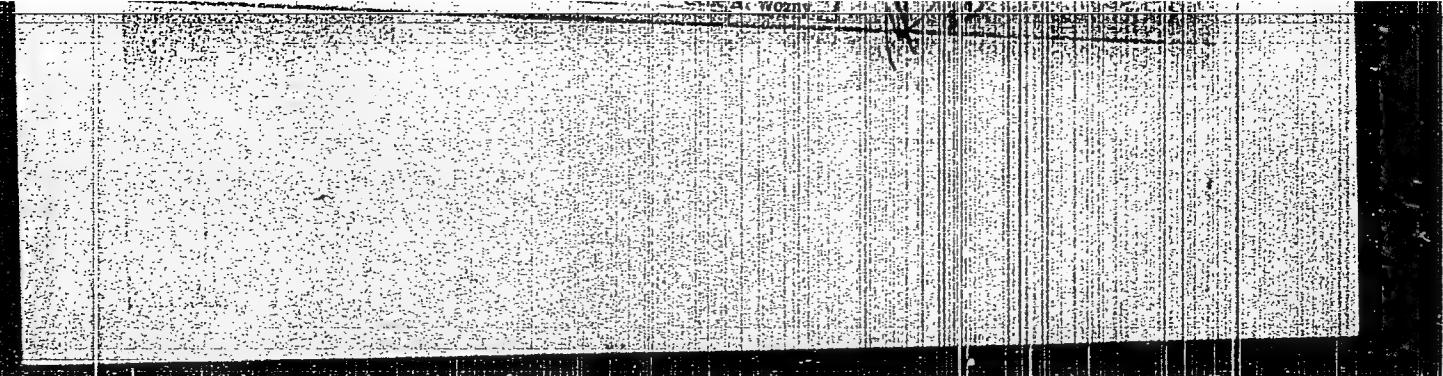
(LABOR metab.)  
(TISSUE METABOLISM in pregn.)

WODZENICK, W.

POLON

A simplified method of using an electrode of the second kind. W. Tomasz, W. Iodzowicz, W. Sojecki, and M. Horoszewicz (Warsaw, Poland). *Polish Chem. 2, 500-4 (1953)* (English summary). — By measuring the value of the potential of electrode with exactness not exceeding 10 mv, it is possible to use an electrode of the second kind, of simplified design, as a standard electrode in concn. not lower than 0.001M. This electrode consists of a metal covered with a layer of its insol. salt.

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630006-0



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630006-0"

JODZEWICZ, W.

3671

663.03

Tomassi W., Jodzewicz W., Houwalt A. Obtaining Pure Water.

"Otrzymywanie bardzo czystej wody". Roczniki Chemii (PAN), No. 3,  
1954, pp. 499-500.

By applying the method previously described, worked out in the  
authors' Chair of Physical Chemistry of Warsaw Polytechnic, water was  
obtained, having the specific conductivity of  $1.9 \cdot 10^{-11} \text{ cm.}^{-1} \text{ at } 18^\circ\text{C}$ ,  
a product showing the lowest specific conductivity at this temperature  
of any so far determined.

CH

3671  
mct

TOMASSI, Witold; JODZEWICZ, Wanda

Studies on the application of the powder cathode with activated carbon in the process of electrolysis of aqueous solution of sodium chloride. I. Preliminary measurements. Przem chem 41 no.6:297-300 Je '62.

1. Katedra Chemii Fizycznej, Politechnika, Warszawa.

JOE, F.

2067. Production of acetone by dehydrogenation of isopropanol. N. Flavia and F. Joe. Melia (Argentina). June 1954, 8 (1), 1-16.—In order to study the activities in the production of acetone by dehydrogenation of isopropanol a number of flow experiments were carried out by passing isopropyl alcohol vapours over different cat preparations. (Author's abstract)

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JOFFE, Z.

15.8114

23645  
P/014/61/040/007/001/001  
D243/D306

AUTHORS: Rosner Tadeusz, Konarzewski Arkadiusz and Joffe Zenon

TITLE: The study of mechanical and thermal properties of methylchloroacrylate and methylmethacrylate copolymers

PERIODICAL: Przemysł chemiczny v.40, no. 7, 1961, 394-396

TEXT: Polymethylmethacrylate is widely used as an organic glass but its great disadvantage is its low hardness and low softening temperature ( $90^{\circ}$ - $105^{\circ}$ ). In order to eliminate these disadvantages, multifunctional monomers were copolymerized with the methylmethacrylate to give a net-like structure to the resulting copolymer. This gave copolymers with a higher softening temperature and a greater hardness. The addition of 7% methacrylic anhydride gave a softening temperature of  $130^{\circ}$  and a hardness of 50-62 (Rockwell's scale). The hardness was measured by applying a load of 60Kg on a ball of 3mm. diameter over a period of 15 sec. This, however, gives a brittle non-plastic product and such modifications are of little value. At the Katedra włókien sztucznych politechniki szczecinskiej (Department of Synthetic Fibers Stettin Polytechnic) the improvement of hardness and softening temperatures of polymethylmeth-

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The study of mechanical...

Acrylate was attempted by copolymerization with methyl chloroacrylate. The latter has a higher softening temperature and is harder, but tends to turn yellow on standing. Since methylmethacrylate does not turn yellow it was assumed that it would increase the stability of the final copolymer. It was found that methyl chloroacrylate is a more reactive monomer and should therefore, polymerize faster. The kinetics of this polymerization and the polymolecularity of the polymer were not studied. Polymerization was achieved in two stages: 1) Introductory polymerization resulting in a very viscous liquid; 2) total polymerization at 45-50° (after pouring into moulds). Optical studies have shown that the transparency of the final copolymer increases with the percentage of methyl chloroacrylate. The hardness of the final copolymer was determined by Brinell's method which consists of measuring the diameter of the indentation made by a ball (diameter 5mm.) on top of which a load of 250Kg was applied for 30 sec. The hardness was measured twice: 1) immediately after curing; 2) after additional heat treatment consisting of warming the specimens from 20° to 90° in 30 mins., keeping them at 90° for 3 hours and gently cooling them back to room temperature. The results obtained are given in tabulated form. The heat treated specimens, used above, were then used for

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23645

P/014/61/040/007/001/001

D243/D306

The study of mechanical...

The references to the English language publications read as follows: Pat.  
USA 2308581; 2369520; 2143924. T. Alfrey, J. Bohrer, J. polim. Sci., 5, 719  
(1950). *X*

ASSOCIATION: Katedra wZókien sztucznych politechniki szczecinskiej.  
(Department of Synthetic Fibers Stettin Polytechnic)

SUBMITTED: January 20, 1961

Card4/4

P/014/61/040/008/007/008  
D233/D305

AUTHORS: Rosner, Tadeusz, Joffe, Zenon, and Szafko, Jerzy

TITLE: Co-polymerization of acrylonitrile with methyl  
α-chloroacrylate

PERIODICAL: Przemysł chemiczny, v. 40, no. 8, 1961, 460 - 463

TEXT: Co-polymerization of the above compounds was investigated to produce synthetic fibers with improved dyeing properties, in an effort to evolve a continuous process which would ensure consistency of the material. A short summary of western work is given. Co-polymerization of acrylonitrile (AN) with methyl α-chloroacrylate (ACAM) was carried out using 6.5 % aqueous solutions of the monomers; the co-polymers were precipitated, being insoluble in water. The reaction was redox-initiated, by sodium persulphate (100 parts), sodium metabisulphite (33 parts) and ferrous ammonium sulphate (1 part) and was conducted at pH 2.5, in a glass vessel, at  $40 \pm 0.05^{\circ}\text{C}$ , under nitrogen. The temperature was allowed to ↙

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Co-polymerization of ...

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D233/D305

rise during the interaction and 0.91 %  $\text{Na}_2\text{S}$  was added to facilitate the coagulation of the co-polymer. AN, obtained from East Germany was treated with 0.5 % aqueous NaOH and then with water, dried over  $\text{CaCl}_2$ , and distilled twice; the fraction boiling at 21-22°C/60 mm Hg was collected. ACAM, prepared at the Katedra Włókien Sztucznych (Department of Synthetic Fibers) was purified by shaking with 5 %  $\text{Na}_2\text{SO}_3$ , drying over  $\text{Na}_2\text{SO}_4$  and distilling. The fraction boiling at 45-50°C/60 mm Hg was collected and used immediately.  $\text{Na}_2\text{S}$  ferrous ammonium sulphate and monomer solutions were first added to 655 ml of distilled water and  $\text{Na}_2\text{S}_2\text{O}_8$  and  $\text{Na}_2\text{S}_2\text{O}_5$  were only mixed in when the correct temperature had been reached, to make a total of 700 ml of the reacting mixture. The reaction was considered to start from the moment of the persulphate addition. The effects of monomer composition and time of copolymerization on the composition, true viscosity and the chloroform - soluble content of the copolymer and of the amount of initiator on the

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Co-polymerization of ...

viscosity, have been studied. In initial experiments concentrations of the initiators were 0.63 % persulphate, 0.20 % metabisulphite and 0.05 % of the ferrous ammonium sulphate. The time of co-polymerization was 75 minutes and the upper limit of ACAM in the monomer mixture was kept at 15 %. Compositions of the co-polymers were found by determining N and Cl by the usual methods and the true viscosities were determined at 25°C by means of Ubbelohde's [Abstractor's note: Ubbelohde's] viscometer, extrapolating the experimental values to zero concentration. The chloroform soluble contents (poly-ACAM) of the copolymers were found to be the same as those of poly-AN, indicating that ACAM did not polymerize separately. The copolymers contained less ACAM than the starting monomer mixtures. The experimentally determined relationship between the monomer and copolymer ACAM contents disagreed with that calculated by the method of Skeist [Abstractor's note: Skeist's method not given]. The true viscosity of the copolymers decreased with increasing ACAM contents, from ~ 4 at 0.5 % ACAM to ~ 2.25 at 14 %. Since the data obtained did not agree with theoretical expectati-

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Co-polymerization of ...

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ons, a number of tests was carried out, studying the changes in the products after different periods of copolymerization. The initial ACAM contents were made 8.4 % (1st series) and 4.6 % (2nd series) and reactions were interrupted after 3, 5, 10, 15, 20, 30, 40, 50 and 75 minutes, to determine the extent of interaction, compositions, chloroform soluble contents and viscosities of the products. It was found that the degree of interaction rose rapidly to 80 % over 30 minutes (slightly faster for the 2nd series). The percentage of ACAM in the copolymers decreased parabolically with time of interaction, to ~6 % and ~3 % for the 1st and 2nd series respectively, after 90 minutes. The chloroform soluble contents decreased with increasing degree of interaction, showing that poly-ACAM or more probably an ACAM-rich copolymer is formed in the early stages of the reaction. Viscosity of the copolymers was found to increase with time, (to 3.17 and 3.25 for the 1st and 2nd series respectively after 75 minutes), and to be very sensitive to the amount of  $\text{Na}_2\text{S}_2\text{O}_8$  used to initiate the reaction. After

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Co-polymerization of ...

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D233/D305

the development of a continuous copolymerization process, future work is visualized as the testing of spum copolymers for their mechanical properties and affinity to dyestuffs. There are 7 figures, 3 tables and 2 non-Soviet-bloc references. The references to the English-language publications read as follows: U.S. Pat. 2,671,072; 1954; Chem. Abstr., 1954 7314; T. Alfrey, J. polym. Sci. 5,719, 1950.

ASSOCIATION: Katedra włokien sztucznych, politechnika Szczecińska  
(Department of Synthetic Fibers, Stettin Polytechnic)

SUBMITTED: February 21, 1961

Card 5/5

ROSNER, Tadeusz; JOFFE, Zenon; JASZCZAK, Eugeniusz

Yellowing of polyvinyl alcohol during the annealing  
process. Polimery tworzące wielkość 8 no. 7/8:291-293 J1-Ag '63.

1. Katedra Włókien Sztucznych, Politechnika, Szczecin.

DRUCKER, A.; FUHRMANN, Coloman, ing.; GOMOIU, Alex.; GALUGAREANU, Ad. ing; SAVIDIS, C., ing.; TELEA, Gh.; BORCEA, N.; JOGAREANU, O.; RIZEA, Nicolae; DUMITRESCU, Gheorghe.

Present problems of labor output rates. Problem econ 17 no.5: 157-160 My '64.

1. Director, "Victoria"-Calan Plant (for Drucker). 2. Head of the Department of Labor Organization, "Victoria"-Calan Plant (for Fuhrmann). 3. Director, "Steaua Rosie" Plant, Bucharest (for Gomoiu). 4. Head of the Department of Production Organization, "Steaua Rosie" Plant, Bucharest (for Galugareanu). 5. Director, Medgidia Cement Works (for Savidis). 6. Head of the Department of Labor Organization, Medgidia Cement Works (for Telea). 7. Director, Enterprise of Electricity, Sibiu (for Borcea). 8. Head of the Department of Labor Organization, Enterprise of Electricity, Sibiu (for Jogareanu). 9. Director, "Carmen" State Industrial Enterprise, Bucharest (for Rizea). 10. Head of the Department of O.N.M., "Carmen" State Industrial Enterprise Bucharest (for Dumitrescu).

JOGOVICS, L.

Latest volcanological and petrologic observations of the basalt mountains of the Tatika Group. p. 153.

A MAGYAR ALLAMI FODTANI INTEZET EVI JELENTESE. Budapest, Hungary, 1955/56  
(Published 1959)

Monthly List of East European Accessions (EEAI) LC, VOL. 9, No. 2, Feb 1960  
Uncl.

JOH, Josef, MUDr.

Introduction and discussion on the organization of work capacity determination. Pracovni lek. 11 no. 1-2:84-85 Feb 59.

1. Prvni namestek predsedy Statniho uradu socialniho zabezpeceni.  
(WORK,  
capacity determ., organiz. in Czech. (Cz))

JOHAN, B.; SZABO, A.; KERESZTESSY, E.

Combined fermentation. I. *Trichothecium* - *Penicillium* fermentation. Acta microb.hung. 6 no.4:315-326 '59.

1. Institute of Serum and Vaccine Production "Phylaxia", Budapest.  
(FUNGI)  
(PENICILLIUM)  
(ANTIBIOTICS)

JOHAN, B.; SZABO SZUCS, J.; SZABO, Aranka

Studies on the technology of preparation of glucose-containing  
media. Acta microb.hung. 7 no.4:391-399 '60.

1. Institute of Serum and Vaccine Production "Phylaxia", Budapest.  
(CULTURE MEDIA)  
(GLUCOSE)  
(RHIZOBIUM culture)

JOHAN, Bela (Kelenhegyi ut 33, Budapest XI.); SZABO SZUCS, Janos (Szallas u.5-7, Budapest X.); SZABO, Aranka (Szallas u.5-7, Budapest X.)

Studies on the technology of preparation of glucose-containing media.  
Acta microbiol Hung 7 no.4:391-399 '60. (EEAI 10:5)

1. Institute of Serum and Vaccine Production "Phylaxia," Budapest.  
(GLUCOSE)

JOHAN, Bohuslav, inz. (Brno)

Woodworking machines at the 1963 Brno International Fair.  
Drevo 18 no.10:367-370 0 '63.

JOHAN, Bohuslav, inz. (Brno.)

The new at the 6th Brno International Fair. Drevo 19 no.10:  
376-378 0 '64.

JOHAN, Bohuslav, inz. (Brno)

The new at the 6th Brno International Fair. Dřevo 19 no.11:419-422  
N '64.

JOHAN, Bohuslav, inz, (Brno)

Contribution to industrial safety in the operation of circular  
ripsaws. Drevo 19 no.9:328-333 S '64.

JOHAN, Bohuslav, inz.

Yugoslav woodworking machines. Drevo 20 no.1:14-16 Ja '65.

1. Vyvoj nabytkarskaho prumyslu, Brno.

JOHAN, Francisca; ROSCA, Henrieta; RADULESCU, Olga

Chromatographic method for checking the purity of  
p, p'-diphenylolpropane. Rev chimie Min petr 13  
no.8:486-489 Ag '62.

JOHAN, Francisca

ROMANIA

JOHAN, Francisca; ZAHARIA, Monica.

Bucharest, Revista de Chimie, No 11-12, Nov-Dec 63, Vol 14,  
pp 632-637

"Thin Layer Chromatography. Characteristics and advantages."

JOHAN, Francisca; ZAHARIA, Monica

Thin layer chromatography. Rev chimie Min petr 14 no.11/12:  
682-687 N-D'63.

JOHAN, Z.; PADERA, K.

Vanadinite finds in Bohemia. p. 187.  
(CASOPIS Pro Mineralogii A Geologii, Vol. 2, no. 2, 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

JOHAN, Z.

"Mineragraphic investigation of the sedimentary copper ores from the neighborhood of Kostalov in the Semily County."

CASOPIS PRO MINERALOGII A GEOLOGII, Praha, Czechoslovakia, Vol. 4, No. 2, 1959.

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Unclassified.

JOHAN Z.

142

1. Prague, Caspary 27. Minicoll. 1952-62, Vol VII, No 2,  
Czechoslovak Review of the Czechoslovak Acad.  
of Sciences (Práce Akademie Československé Akad.  
Věd), 1952.
2. Estimating the volume of the individual lamellae in  
benthic forams, České mineral. 1952, pp 121-125.
3. Estimate on the total of Ammonite fauna in the Těšín-Silesian  
district, České mineral. 1952, pp 126-128.
4. Mineralogy of Calcium in No 20. Corvus in North Viet-  
nam, České mineral. 1952, pp 129-131.
5. Minerals of Calcium in No 20. Corvus in North Viet-  
nam, České mineral. 1952, pp 132-135.
6. Some kinds of Chaetostomina Donacina (Nemat.), Ján KUDLA, 1950 in  
the Jura-sediments near Lodenice, Ján KUDLA, pp 159-160.
7. Research on the Allochthon. Formation of the Northern Part  
of the Vltava-Orava Valley, Pavel KUDLA, pp 159-
- 157.
8. Local Spectroscopic Microanalysis of Mineralogical Auto-  
mata and Aids 37. 1950, of the Central Geologi-
- cal Institute (Ústřední Ústav Geologie), Praha, pp 159-
- 164.
9. Autocorrelation between the Middle and Upper De-  
vonian in the Bohemian Massif, Karel KUDLA and
- Jan KUDLA, pp 165-175.
10. Mossified Coal from Krušné Hory (Krušná Hora),  
Geologický Ústav České Akademie Věd, Praha, pp 176-
- 177.
11. Geochemistry of the Central Geological Institute, České  
Vlachy, pp 178-179.
12. Geochemistry of the Central Geological Institute, České  
Vlachy, pp 179-180.
13. Assessment of Comparative Spectrom. Carbon for Another  
Atlas for the Q-24 Spectrograph, Rudolf ČERNÝ, pp 189-
- 194.
14. Note on the Teller's volume of the Prague in Bohem-  
ia, František ČERNÝ, of the Mineralogical Institute,  
Charles University, Prague, pp 195-196.
15. Some notes on the Bohemian Massif, Prague, Charles Uni-  
versity, Prague, pp 197-198.

JOHAN, Z., promovany geolog; KASPAROVA, D., inz.

Importance of mineralogy for evaluation of the results of  
magnesite technological research. Rudy 11 no.8:248-253 Ag '63.

1. Ustav pro vyzkum rud. Praha.

JOHANEK, T.

A brief survey of instruments for measuring the temperature in metallurgic plants. p.130.  
(Hutnik, Vol. 7, No. 4, Apr. 1957, Praha, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

JOHANEK, T.

Calculation of helical torsion coil springs. Strojirnictvi 13  
no.9;Suppl.:Tabulky pro konstruktery 13 no.9:I/15-I/16 S '63.

Calculation of spiral springs from steel bands. I7/-I/18

1. Leninovy zavody Plzen.

JOHANEK, Tomas

Efficient control of the use of production equipment.  
Stroj vyr 11 no. 12: 634 '63.

1. Zavody V.I. Lenina, Plzen.

JOHANEK, T.

Man and machine. Strojirenstvi 14 no.9:697-700 S '64.

1. Zavody V.I. Lenina National Enterprise, Plzen.

JOHANIDES, Milan, inz.

"Production of wood particle boards in Sweden" by V.V. Amalicky.  
Reviewed by Milan Johanides. Drevs 18 no. 12: 464 D '63.

JOHANIDES, Milan

Some problems of designing plants for hardboard production. Drevo  
18 no.1:31 Ja '65.

JOHANIDES, Milan, inz.

Experience with the Bartrev assembly line operation in the  
Soviet Union. Drevo 18 no.6:233-234 Je '63.

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Osmophilic yeasts in sweetened fruit juices and jams. V. Johanides  
(Kemiija u Ind., Zagreb, 1953, 1, 5-10).—The fermentations occurring  
in some syrups and jams, despite high sugar concn. or dry matter,  
respectively, are discussed. The causes of such fermentations are  
explained and instructions are given for the avoidance of infection  
and for the cure of already existing infections. O. POTTER.

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August, 1953, Uncl.

COUNTRY : Yugoslavia  
CATEGORY : Microbiology  
ABS. JOUR. : Ref Zhur-Biologiya, No.4, 1959, No. 14785  
AUTHOR : Johanides, Vera  
INST. :  
TITLE : Antibacterial Activity of Yeast.  
LNG. PUB. : Glasnik biol. sek. Hrvatsko prirodoslo  
drustvo, 1953 (1955), Ser. 2B, 7, 192-195  
ABSTRACT : Most of the studied strains of yeast inhibi-  
ted growth of Gram-positive bacteria. There  
was no antinacterial activity observed in re-  
spect to Gram-negative bacteria by the dif-  
fusion method.  
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YUG/2-59-4-2/16

5(3)

AUTHORS: Johanides, V. and Alačević-Grlić, M.TITLE: Preparing Heterokaryons from Various Strains of Aspergillus Niger in Order to Improve Their Amylolytic Proper-  
ties (Priredjivanje heterokariona iz različitih sojeva Aspergillus niger u cilju poboljšanja njihove amilo-  
litične aktivnosti)PERIODICAL: Kemija u industriji, 1959, Nr 4, pp 91-94 (YUG)ABSTRACT: The article describes various internationally known tests which were made with 25 strains of Aspergillus niger with the purpose of obtaining heterokaryons with the highest amylolytic properties to be used for commercial conversion of starch in alcohol distilleries. The types of Aspergillus niger used in the tests were taken from the collection of the Zavod za mikrobiologiju Tehnološkog fakulteta (Microbiologic Institute of the Technological Univ. Dept.) in Zagreb. The tests produced 3

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YUG/2-59-4-2/16

Preparing Heterokaryons from Various Strains of *Aspergillus Niger* in  
Order to Improve Their Amylolytic Properties

types of highly active amylolytic heterokaryons, two of which, NRRL 337, of USA origin and 439, of Japanese origin, when paired off in a submerged culture, produced the highest number of amylolytic enzymes. There are 2 tables and 32 references of which 27 are English and 5 German.

ASSOCIATION: Zavod za mikrobiologiju - Tehnološki fakultet (Microbiological Institute of the Technological [Univ.] Dept.), Zagreb.

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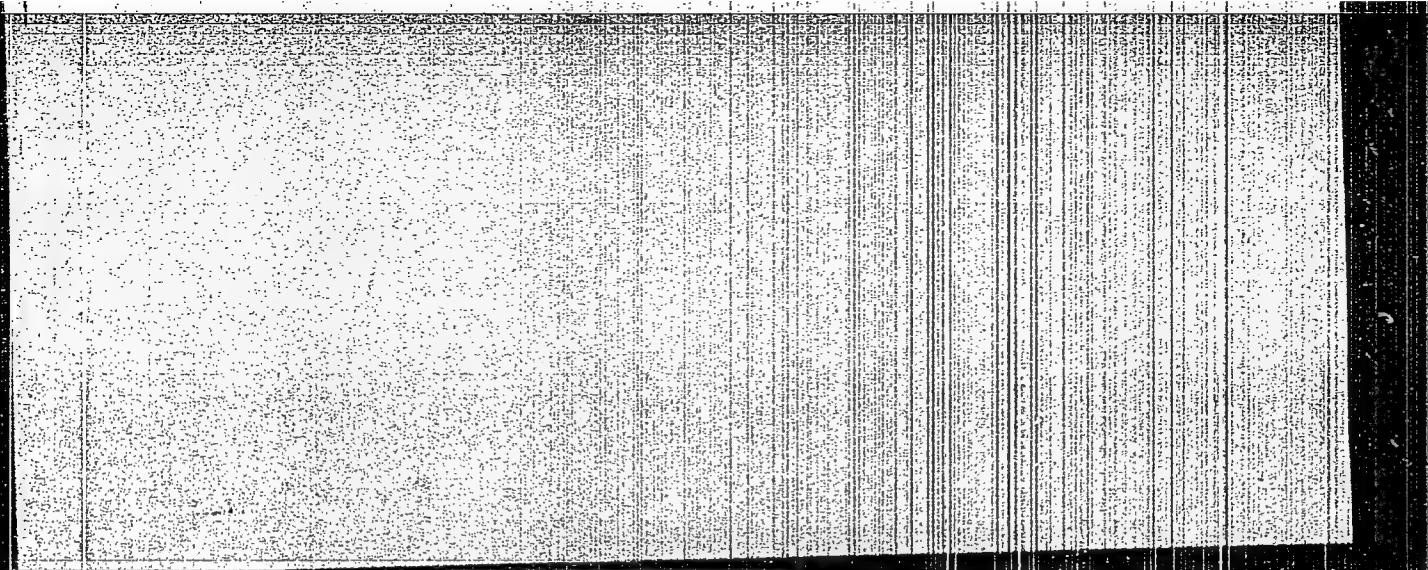
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changes caused by mechanical stimulation of stomach in hyper-  
tensive patients (Cz))

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JOHANOVSKA, K.; FURST, O.; KREJCI, F.; LESNY, I.; PANOS, J.; 2nd Internal Clinic, Fac. of Gen. Med., Charles Univ. (II. Interni Klinika Fak. Vseob. Lek. KU), Prague, Head (Prednosta) Prof Dr F. HERLES; 2nd Internal Clinic, Faculty of Pediatrics, Charles University (II. Interni Klinika Fak. Detskeho Lek. KU), Prague, Head (Prednosta) Prof Dr R. FOIT; Neurological Clinic Medical Faculty of Hygiene, Charles University (Neurologicka Klinika Lek. Fak. Hygionické KU), Prague, Head (Prednosta) Prof Dr Z. MACEK; Neurological Clinic Fac. of Gen. Medicine, Charles University (Neurologicka Klinika Fak. Vseob. Lek. KU), Prague, Head (Prednosta) Member of Academy K. HENNER.

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Abstract /Authors' English summary modified/: EEG examinations of 56 patients suffering from acquired cardiac defects were made; 19 patients suffered from ischemic heart disease, 37 from valvular disease. 12 of the first category and 20 of the second had normal EEG tracings. 5 in the 1st and 17 in the 2nd group showed a mild generalized abnormality. 2 patients with ischemic heart disease had grossly abnormal EEG. No references.

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Abs Jour : Ref Zhur - Biol., No 1, 1958, 3053

Author : Johanovsky, J.

Inst : *Univerzita Bratislava*

Title : Relationship Between Immunity and Sensitization in Experimental Staphylococcal Infection. I. Alterations in the Body's Reactivity to Immunization with Staphylococcus Anatoxin and After Staphylococcal Infections.

Orig Pub : Casop. lekaru ceskych, 1956, 95, No 17, 455-459

Abstract : There was an increased allergic skin sensitivity in rabbits immunized with staphylococcus anatoxin and then subjected to an experimental staphylococcal infection. Leucocytes from these rabbits, which had been washed to remove serum antibodies, possessed increased reactivity to Staphylococci, and their erythrocytes had an increased resistance to hemolysis by the staphylococcal toxin.

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I. Malek.

(MICROCOCCAL INFECTIONS, exper,  
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Micrococcal infect., relation to immun.)

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of Micrococcus pyogenes, with antitoxic serum (Cs))  
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EXCERPTA MEDICA Sec.4 Vol.11/5 Microbiology, etc. May 1958  
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1127. THE SIGNIFICANCE OF THE CLUMPING FACTOR FOR THE PATHOGENICITY OF STAPHYLOCOCCI - Význam shlukovacího faktoru pro choroboplodnost stafylokoků - Johánovský J. Mikrobiol. Odd., Biol. Úst. Československá Akad. Ved, Praha - CSL. MIKROBIOL. 1957, 2/2 (90-95) Tables 6

In intraperitoneal infection in mice and in intradermal infection in rabbits it was found that staphylococci forming the clumping factor are more pathogenic than strains without this substance, although toxin and enzyme formation was equal in both groups. Infection with strains forming the clumping factor is accompanied by greater multiplication of micro-organisms in the tissues.

JOHANOVSKY, J

EXCERPTA MEDICA Sec.4 Vol.11/4 Med.Microb. etc. April 58

832. THE SIGNIFICANCE OF DELTA LYSIN FOR PATHOGENICITY OF STA-PHYLOCOCCI - Význam  $\delta$  and lysinu pro choroboplodnost stafylokoků -  
Johanovský J. Mikrobiol. Odd., Biol. Ust., Československá Akad. Ved.,  
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The use of staphylococcal antitoxin in the therapy of experimental infection is effective only against infections with staphylococci that form  $\alpha$ -toxin. When using antitoxin in infections with strains that form  $\alpha$ - +  $\delta$ -lysin it is the  $\delta$ -lysin which determines the outcome of the infection. These experiments were carried out on mice, guinea-pigs and rabbits, using 18 strains with various degree of  $\delta$ -lysin formation.